

FIG. 1(a)

FIG. 1(b)

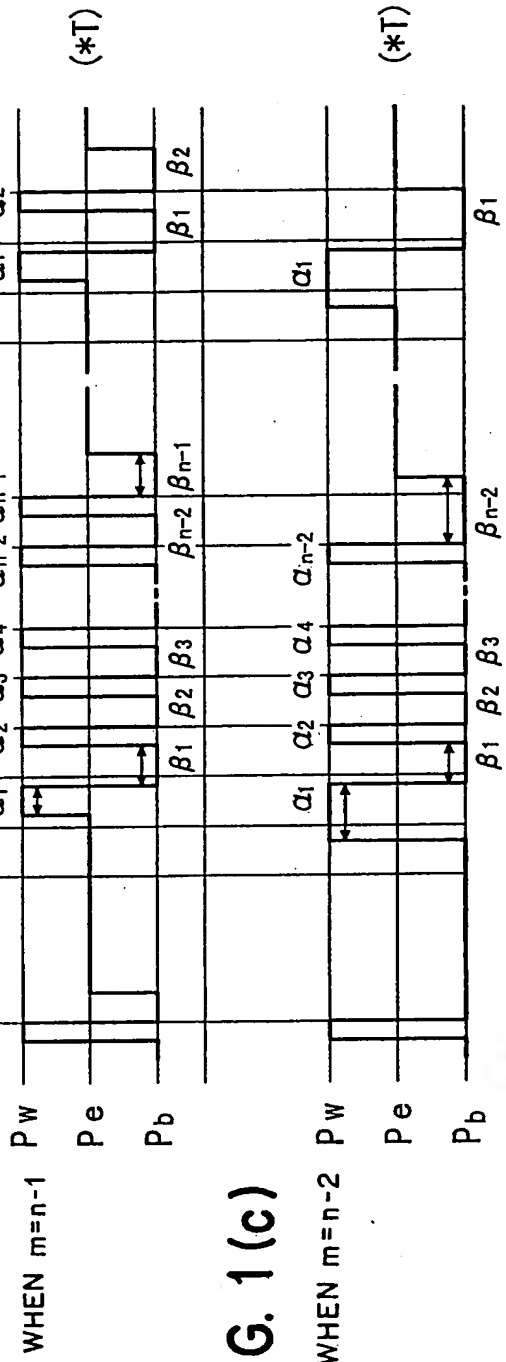


FIG. 1(c)

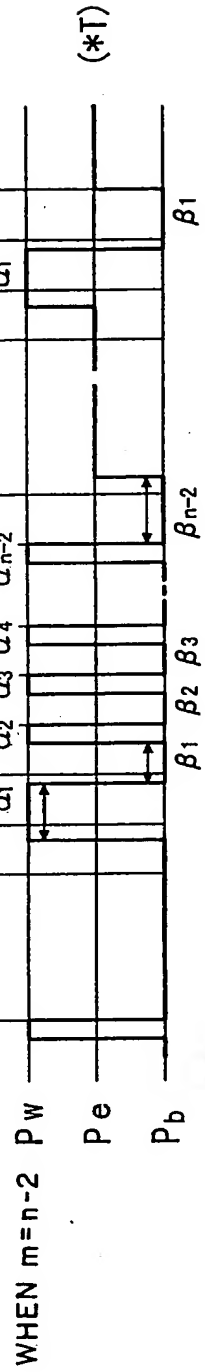


FIG. 2

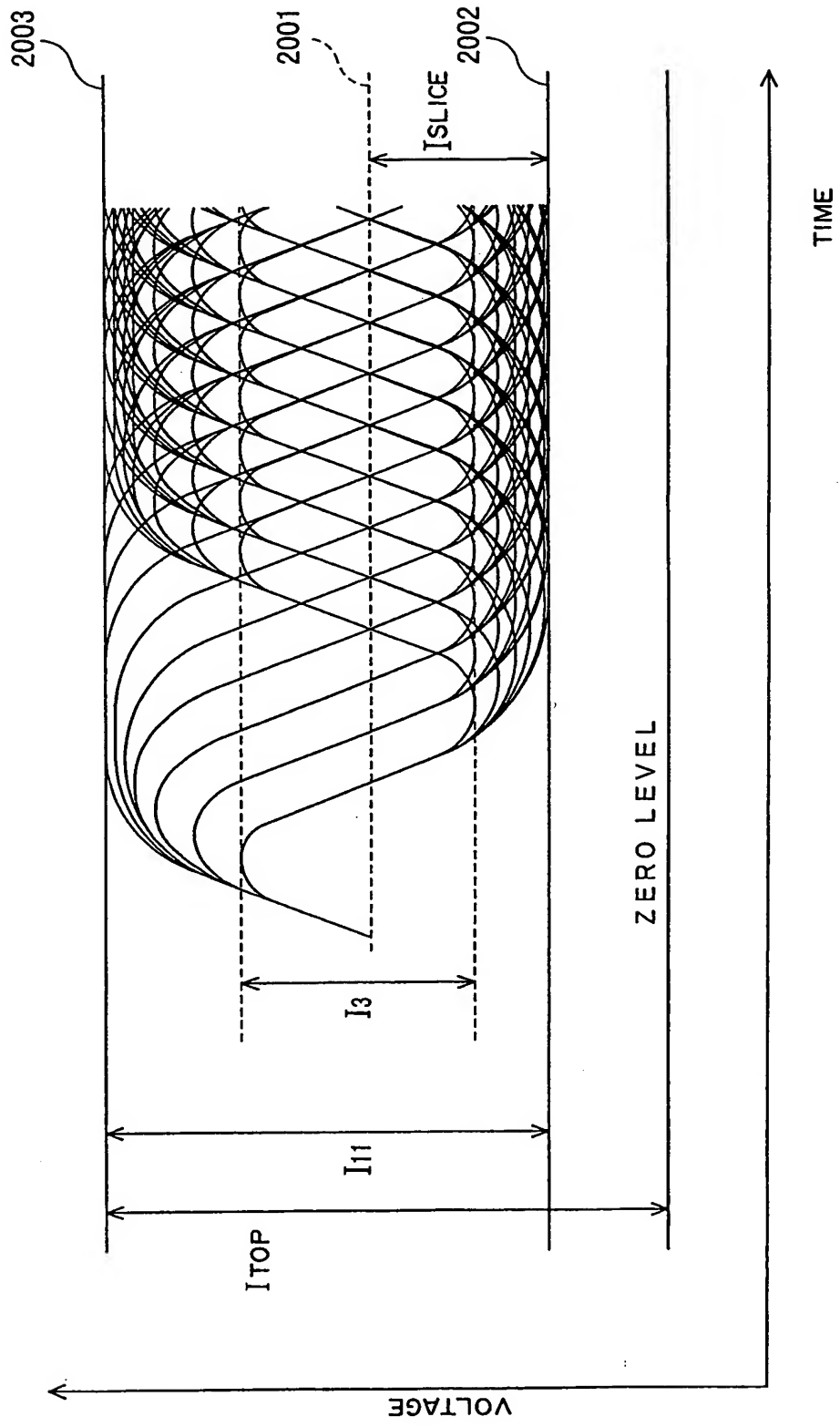


FIG. 3

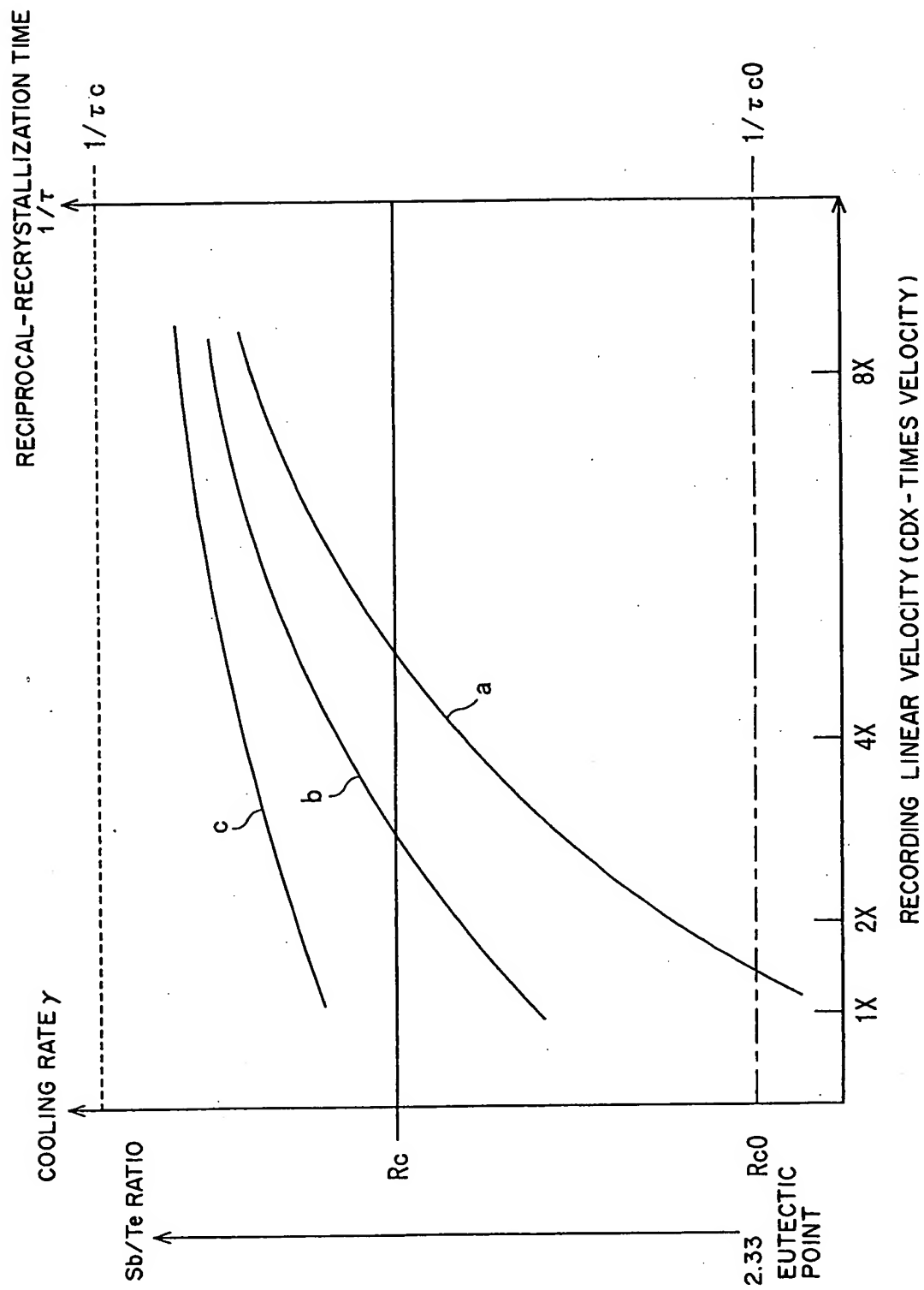


FIG. 4(a)

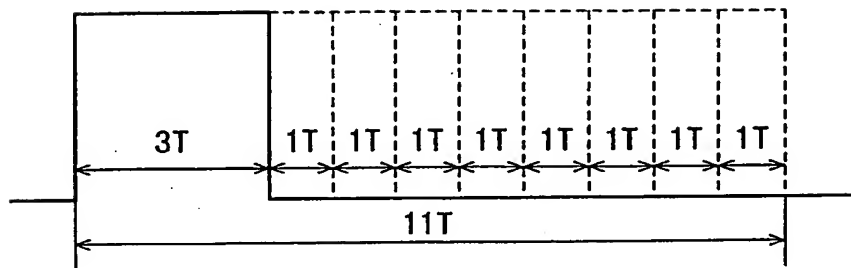


FIG. 4(b)

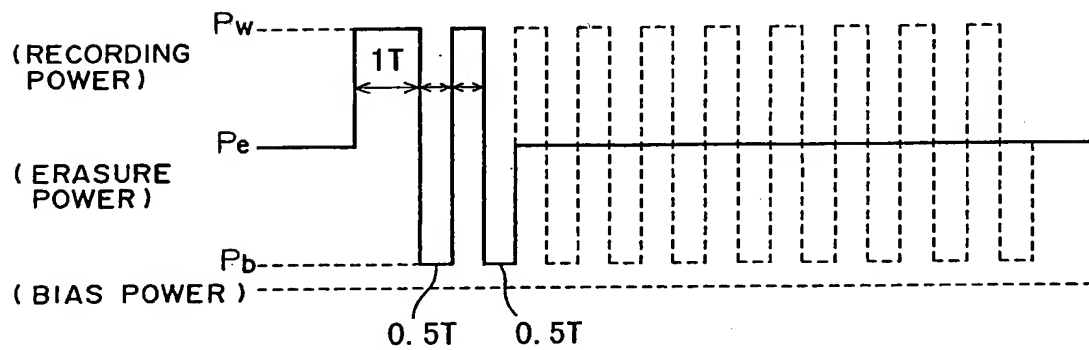


FIG. 5(a)

CLOCK SIGNAL
DATA SIGNAL

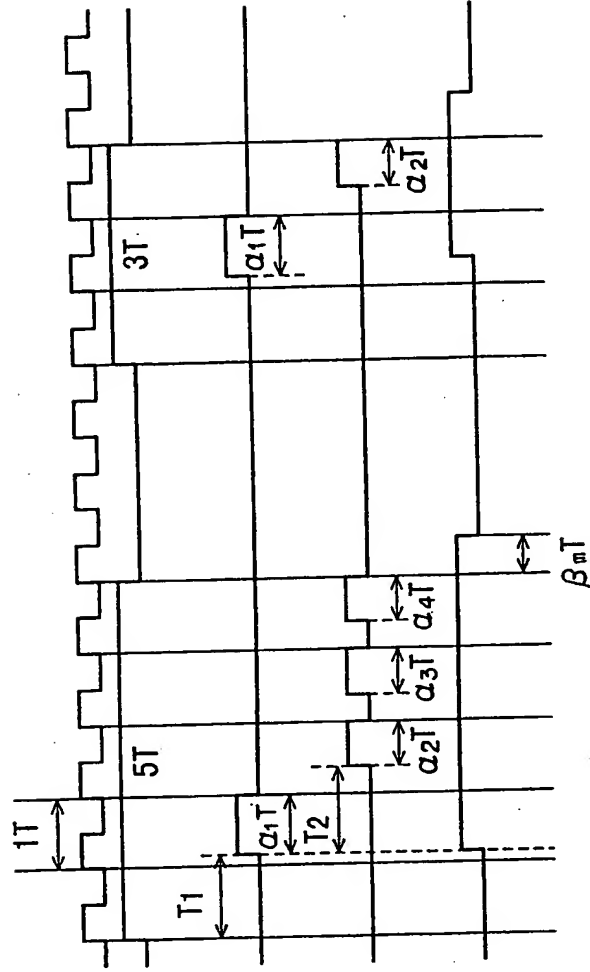


FIG. 5(c)

GATE 1

FIG. 5(d)

GATE 2

FIG. 5(e)

GATE 3

FIG. 6

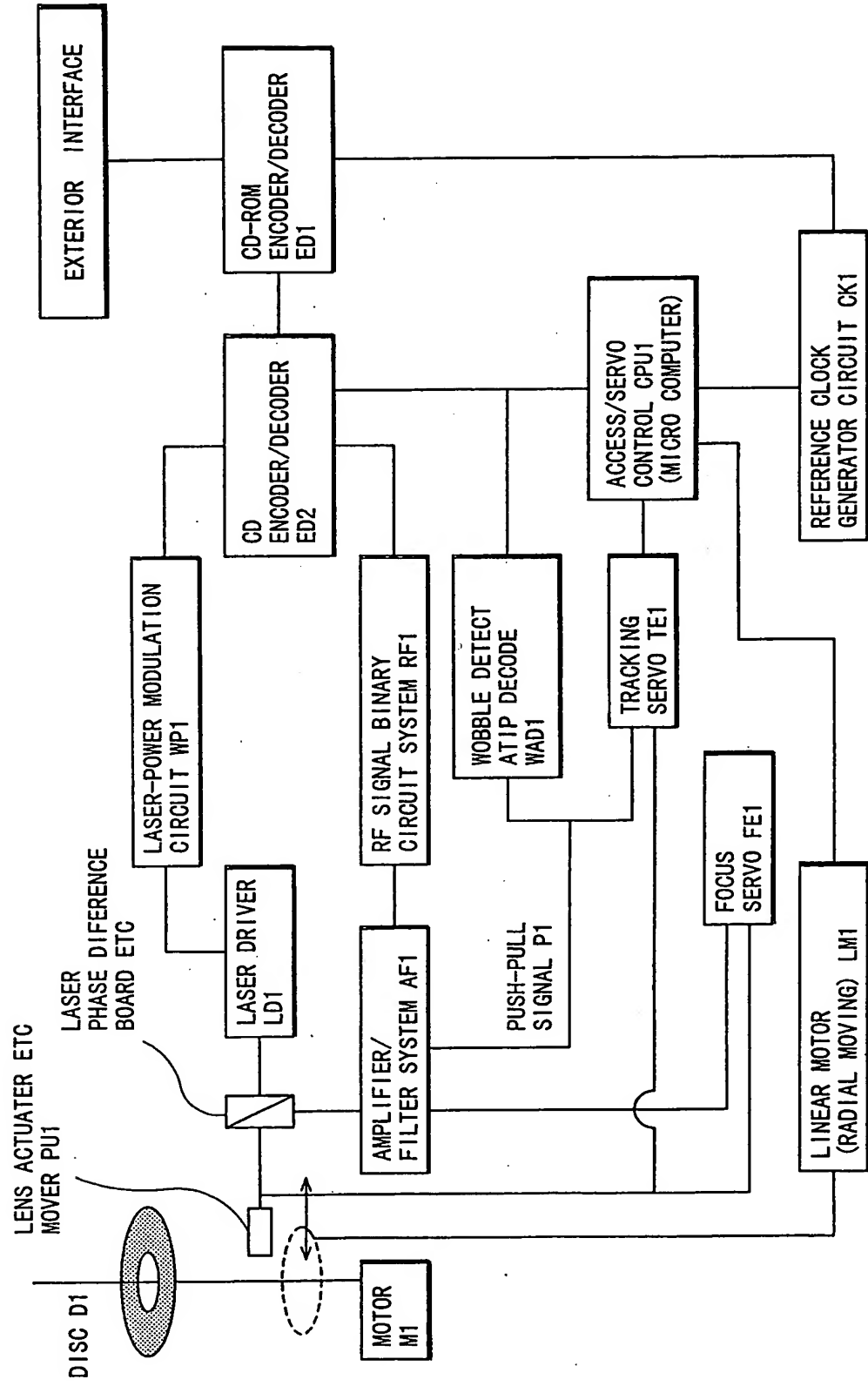


FIG. 7(a)

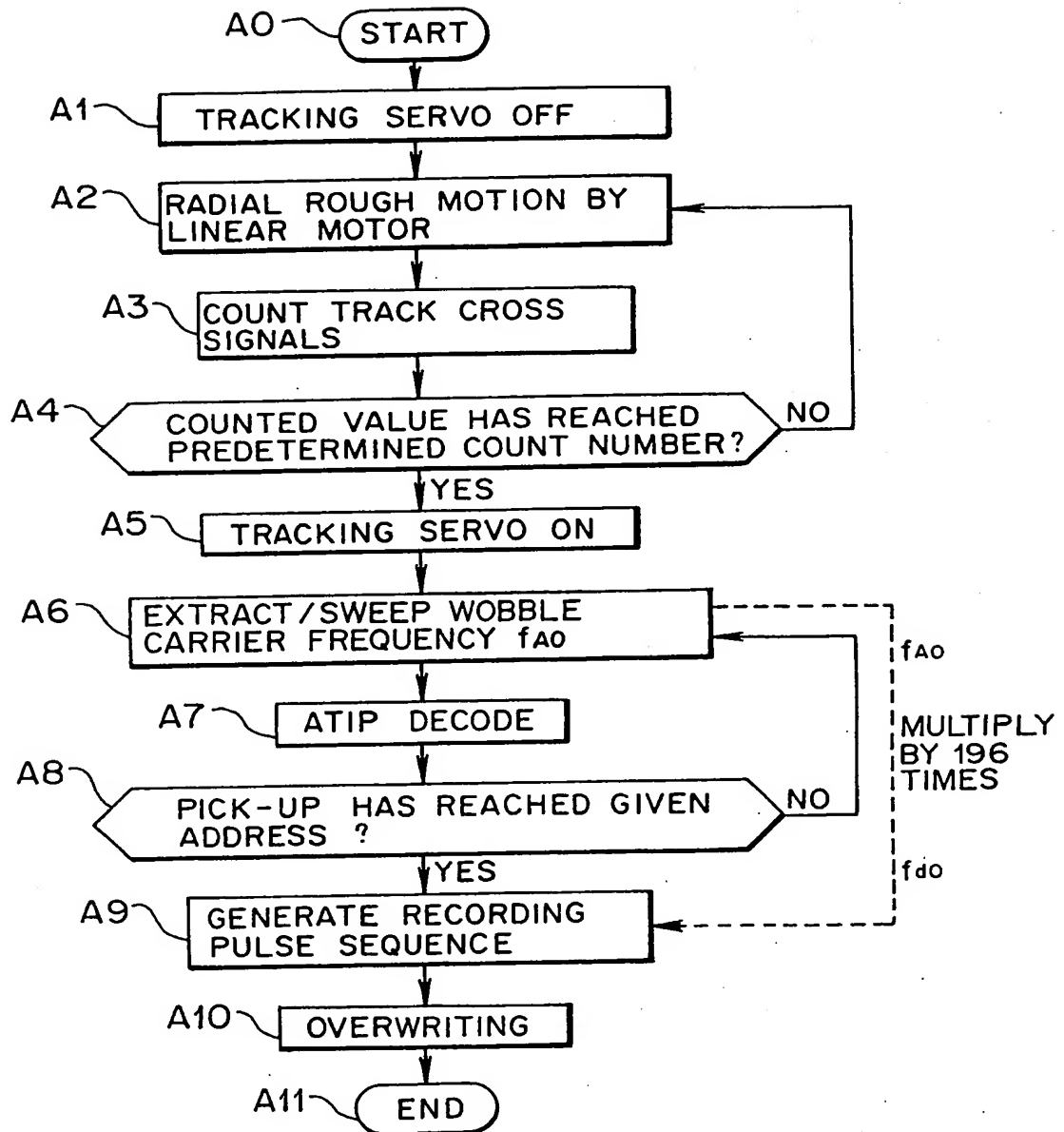


FIG. 7(b)

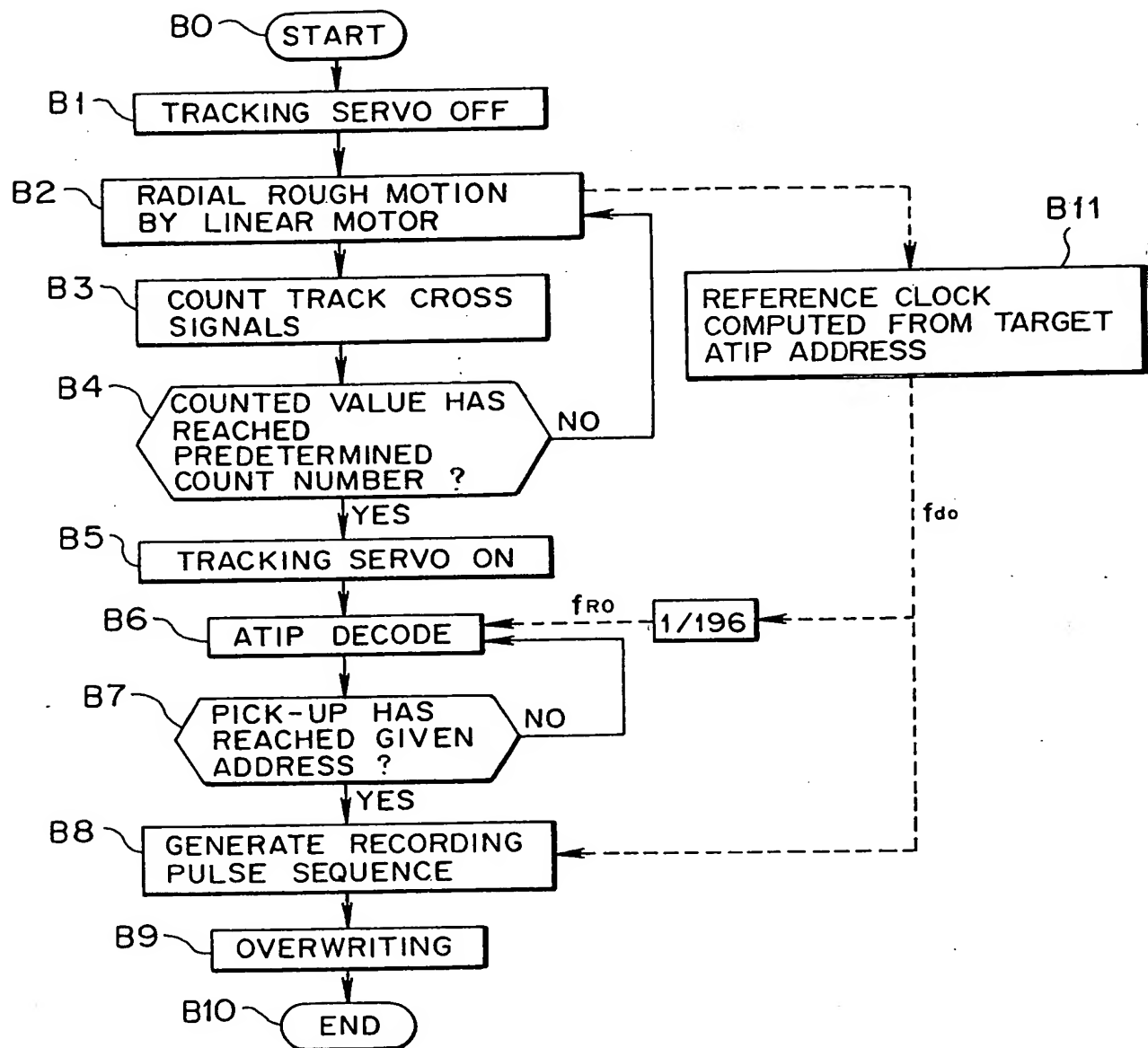


FIG. 8

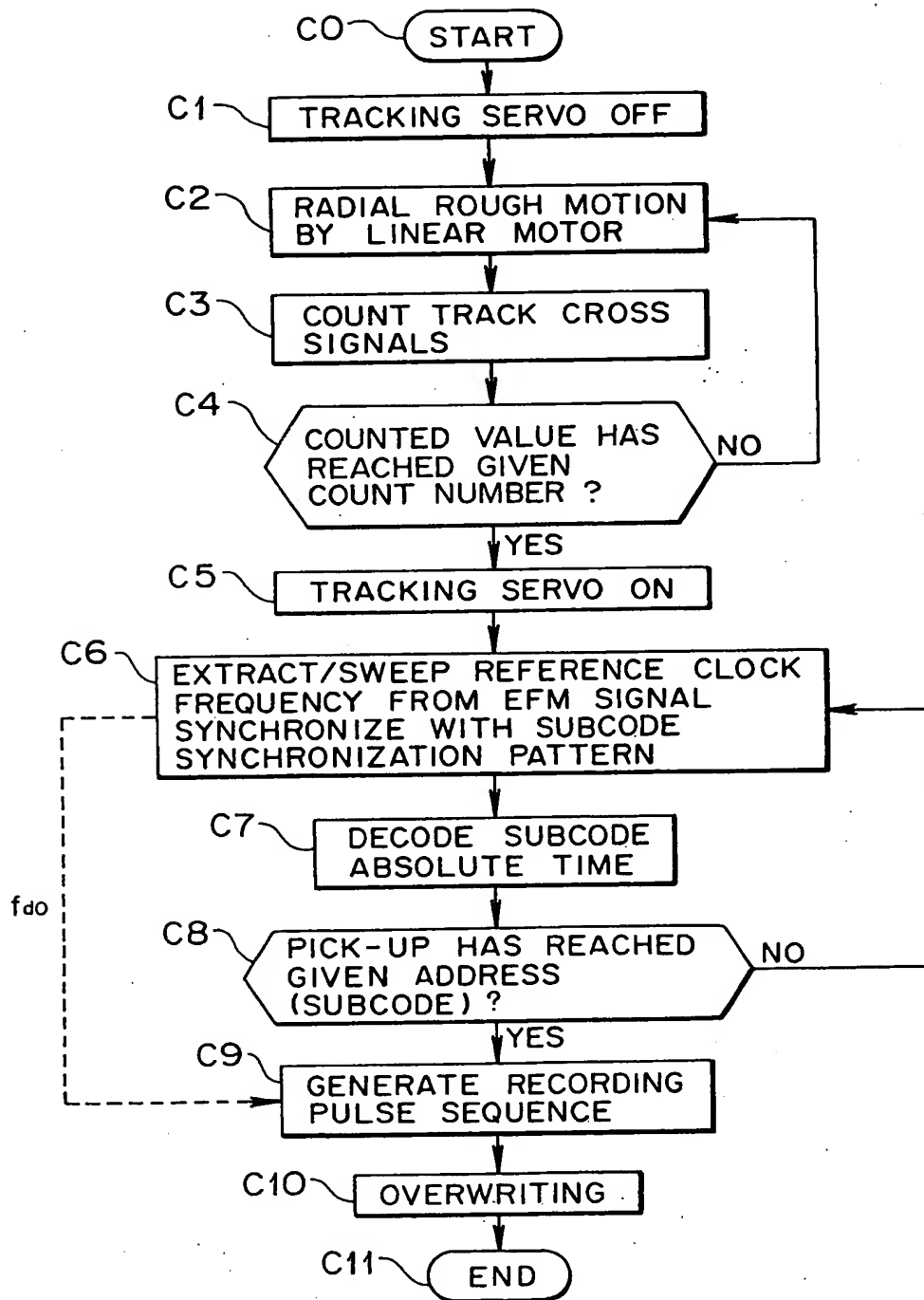


FIG. 9

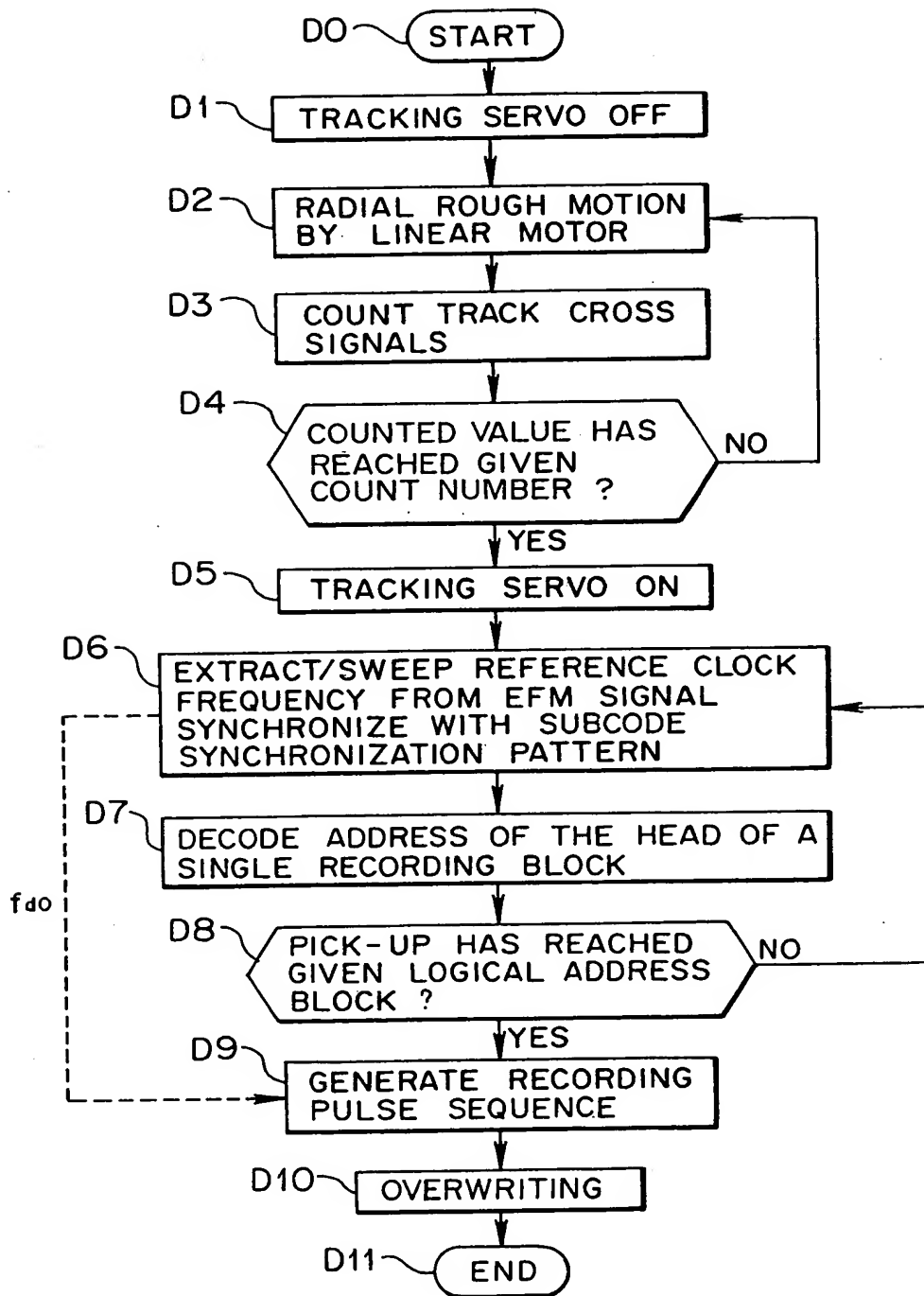


FIG.10

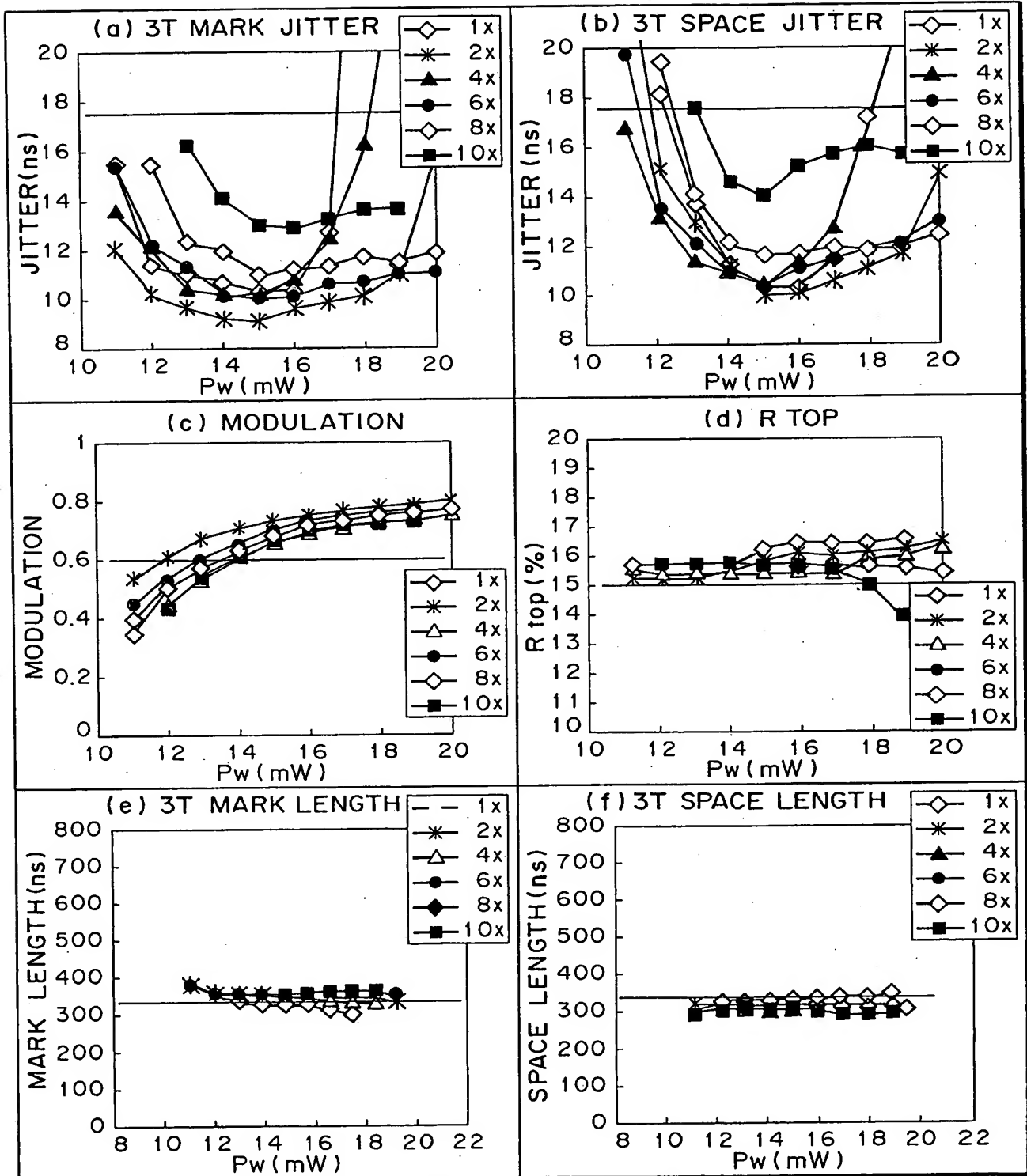


FIG. 11(a)

3T MARK JITTER

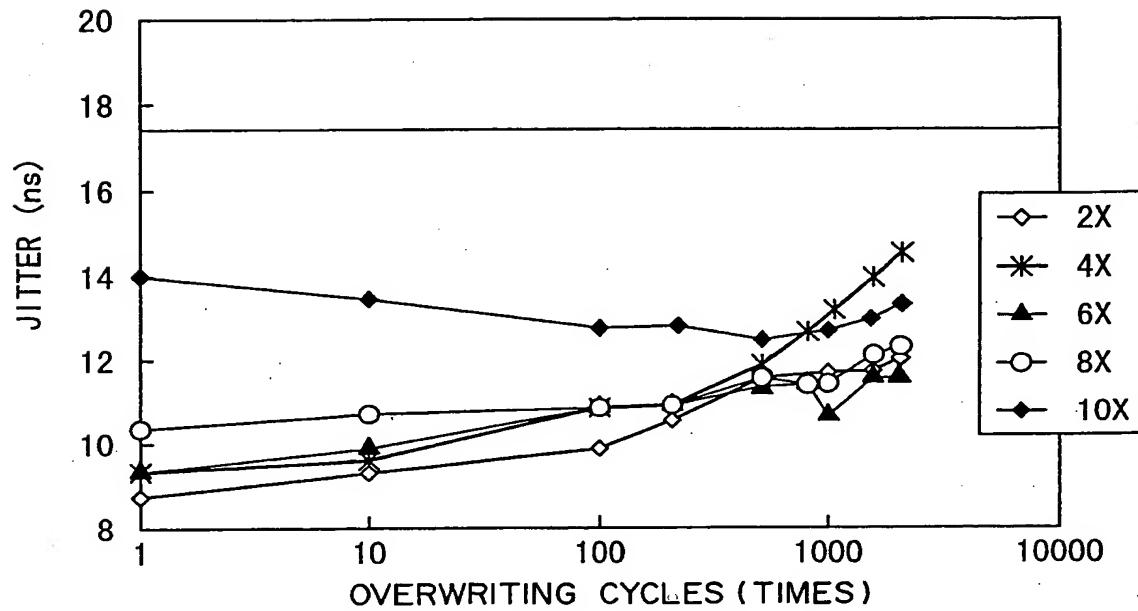


FIG. 11(b)

3T SPACE JITTER

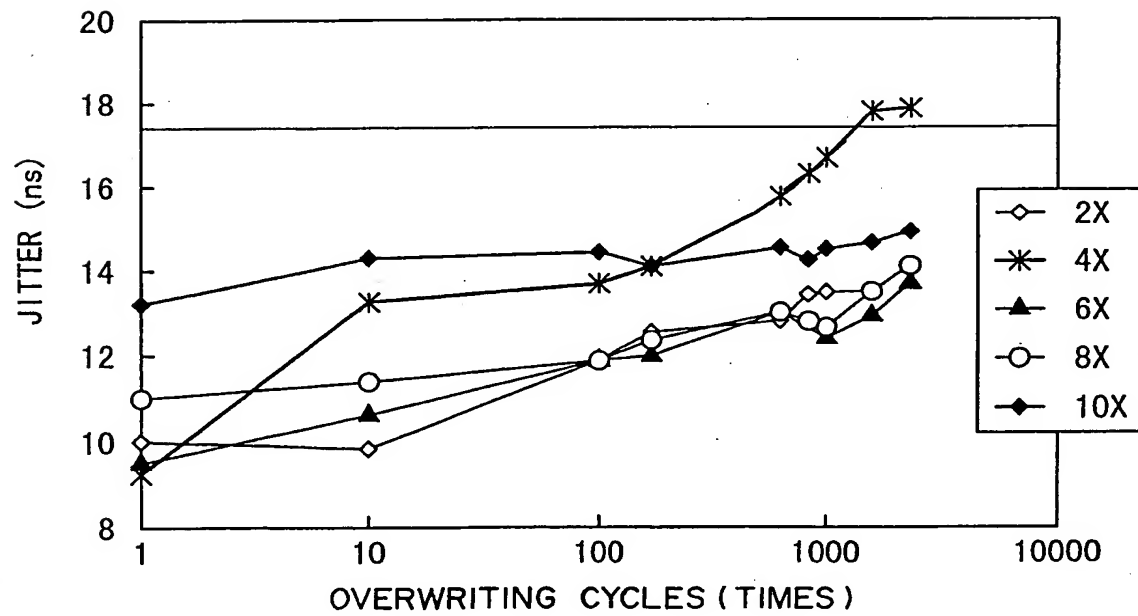
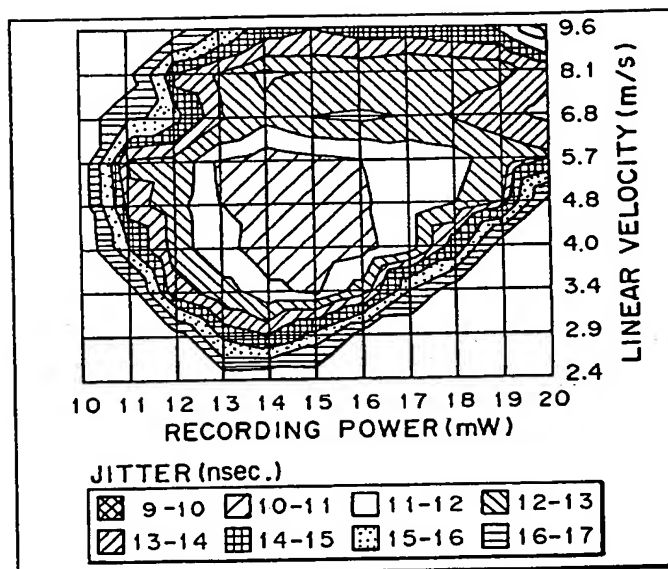
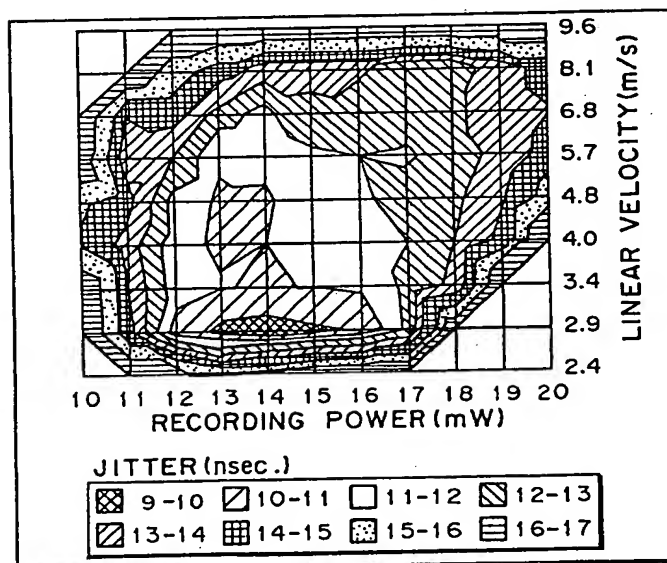


FIG.12(a)



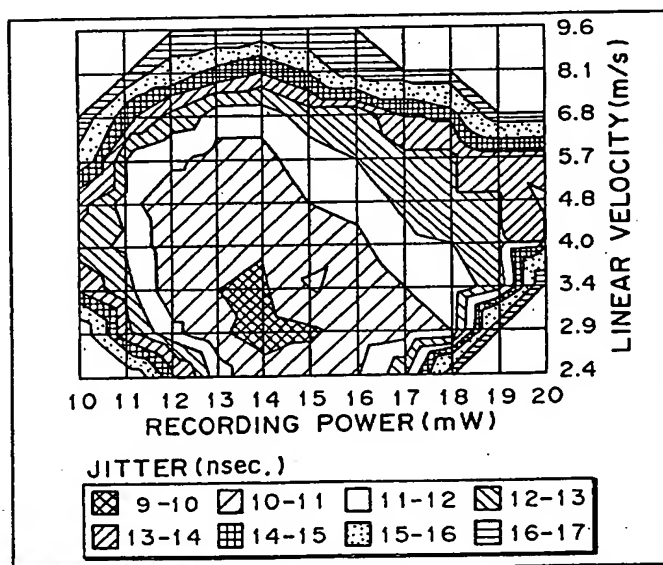
$\text{In}_8\text{Ge}_5\text{Sb}_{66.4}\text{Te}_{20.6}$

FIG.12(b)



$\text{In}_8\text{Ge}_5\text{Sb}_{65.6}\text{Te}_{21.4}$

FIG.12(c)



$\text{In}_8\text{Ge}_5\text{Sb}_{64.7}\text{Te}_{22.3}$

FIG. 13

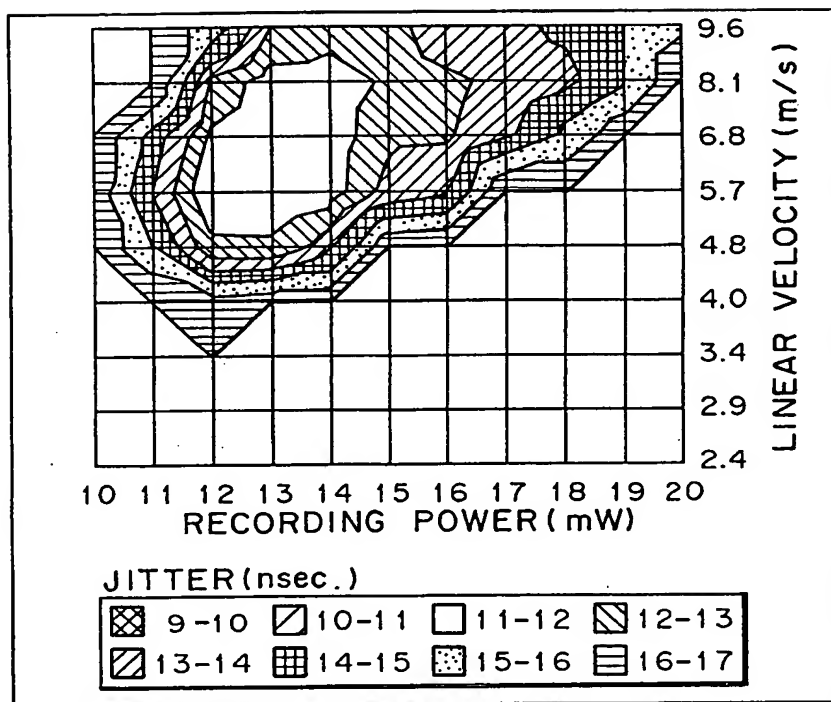


FIG. 14

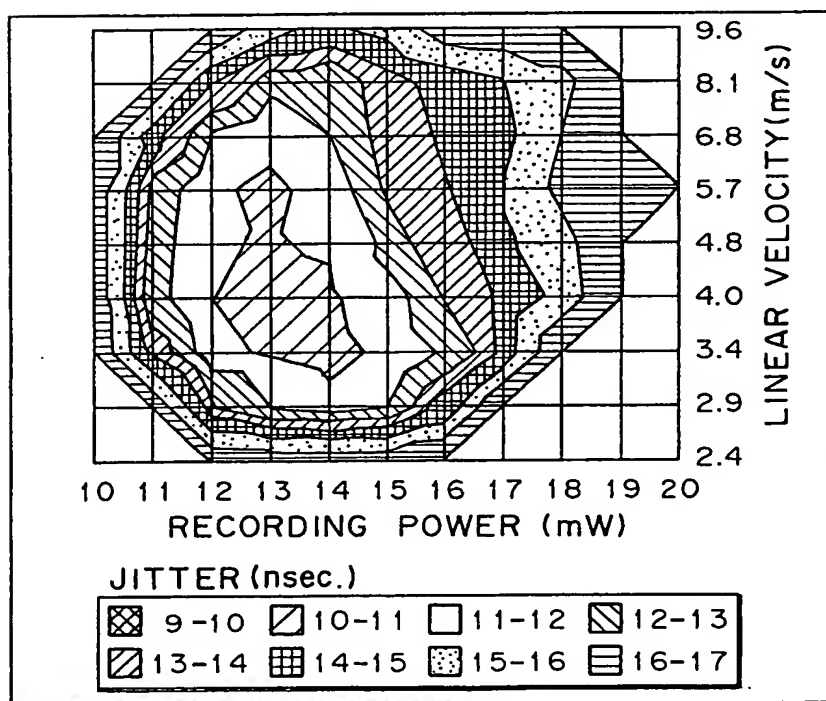


FIG.15

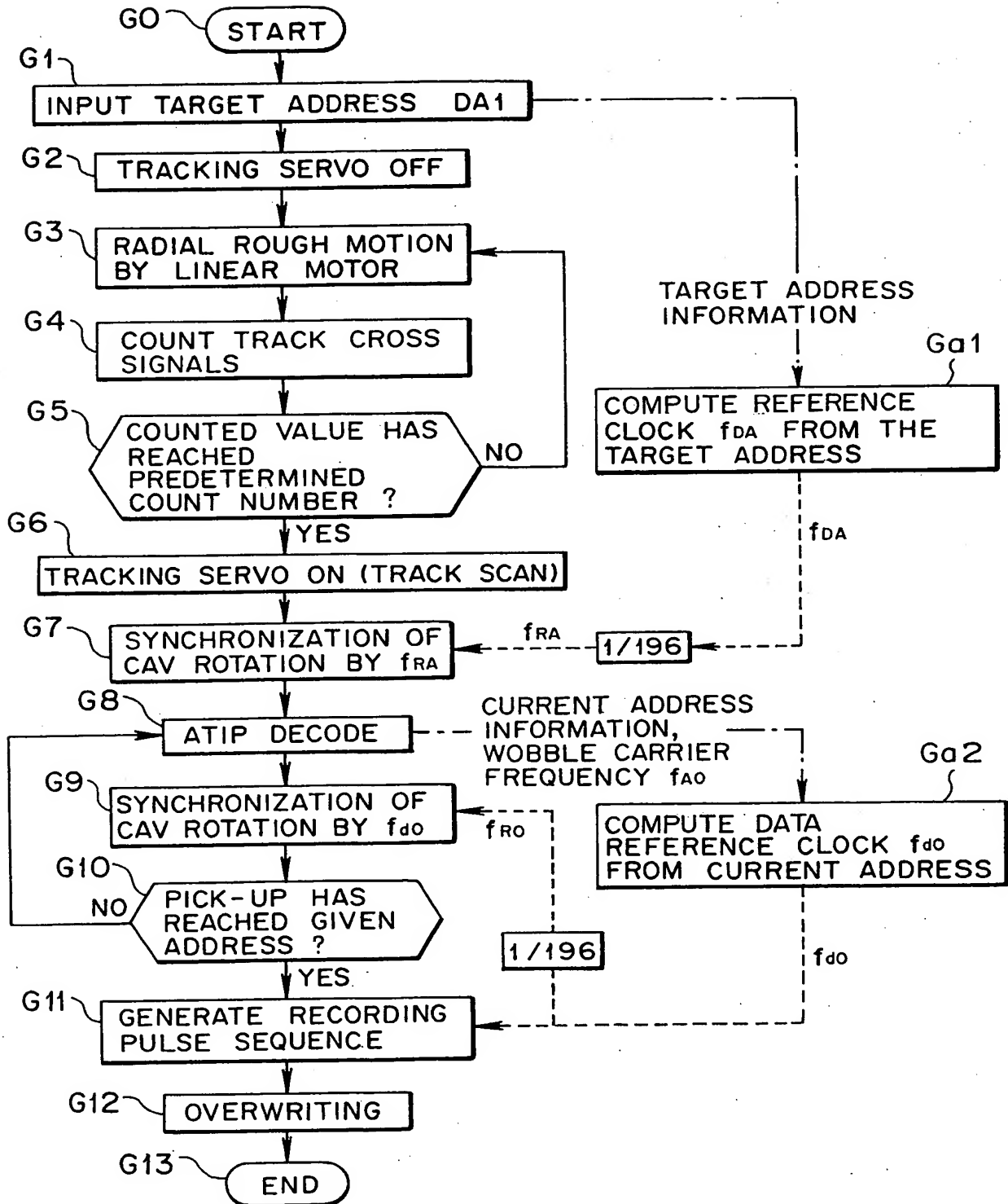
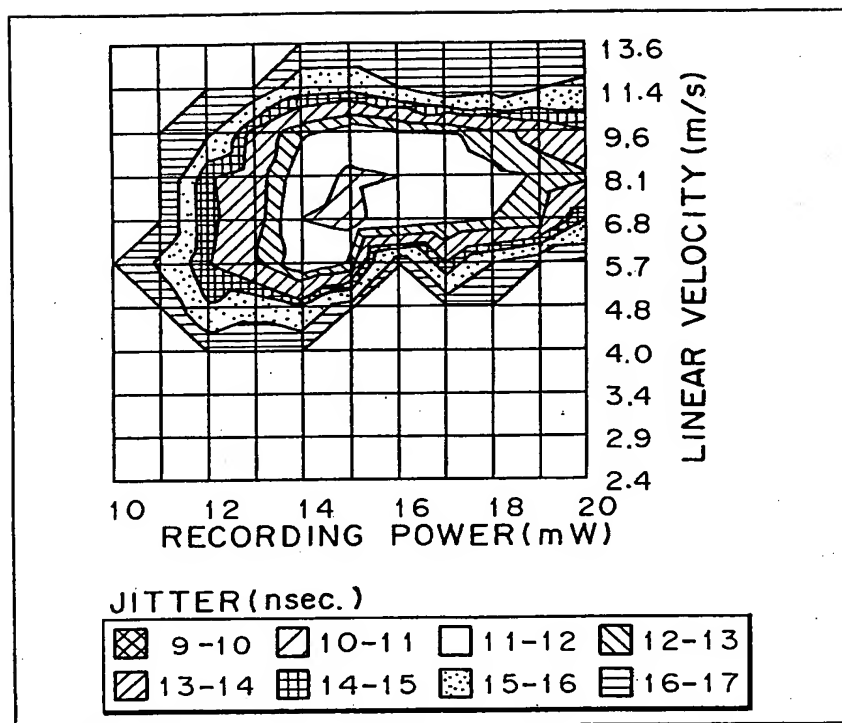
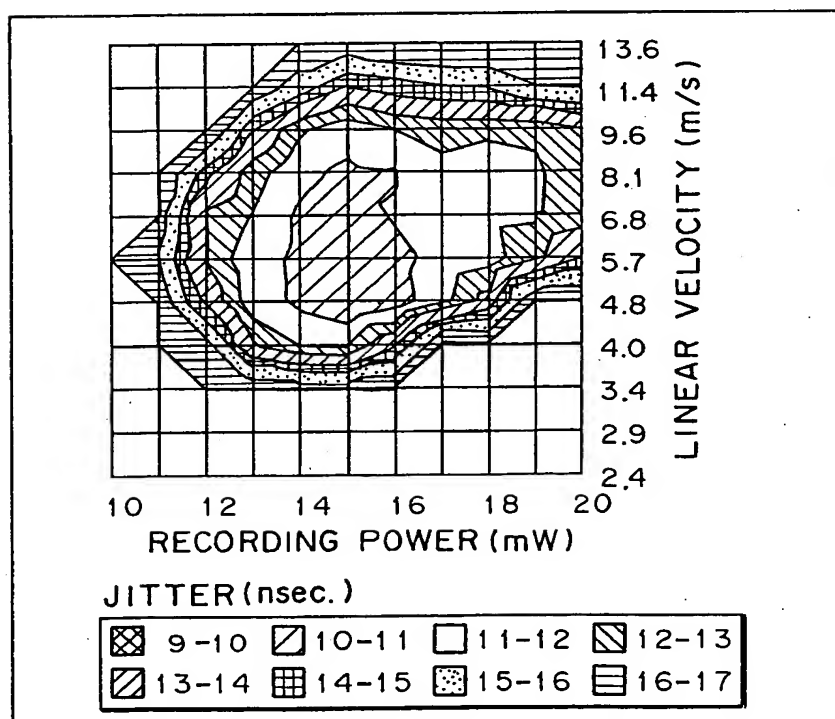


FIG.17(a)



NA = 0.5

FIG.17(b)



NA = 0.55

FIG.18

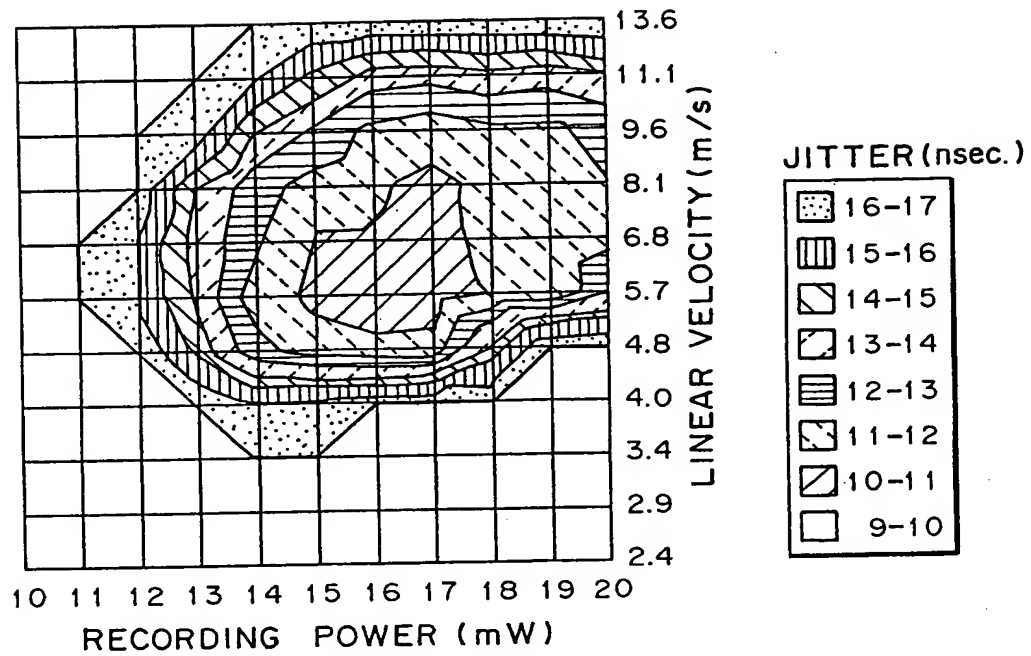


FIG.19

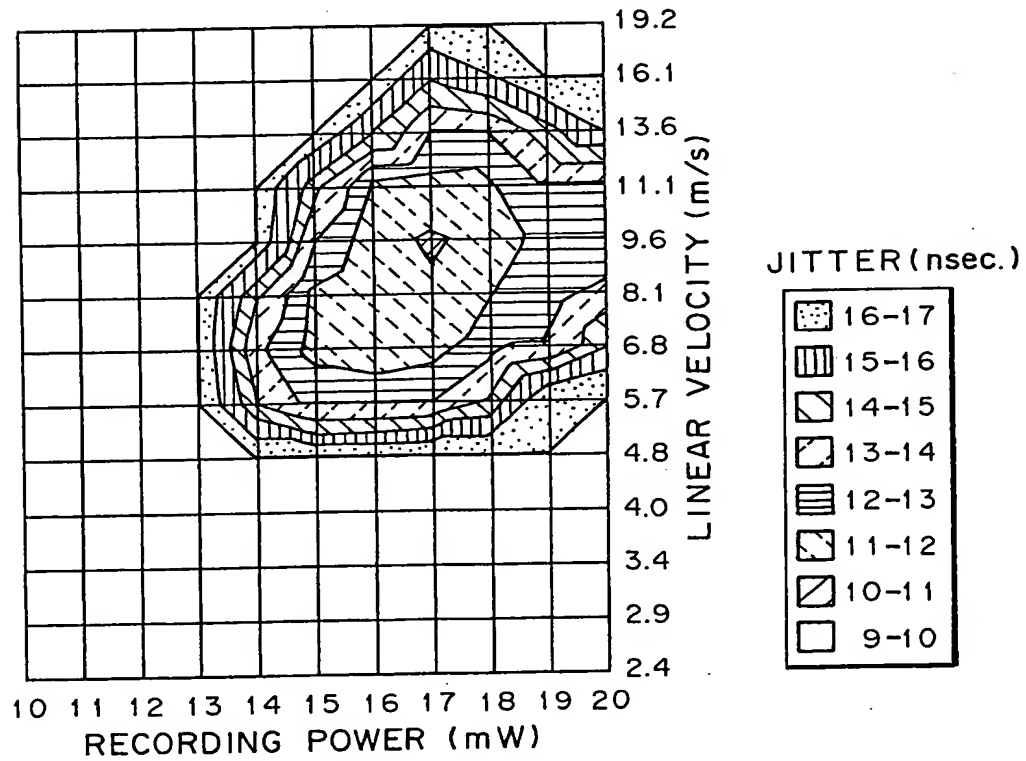


FIG. 20

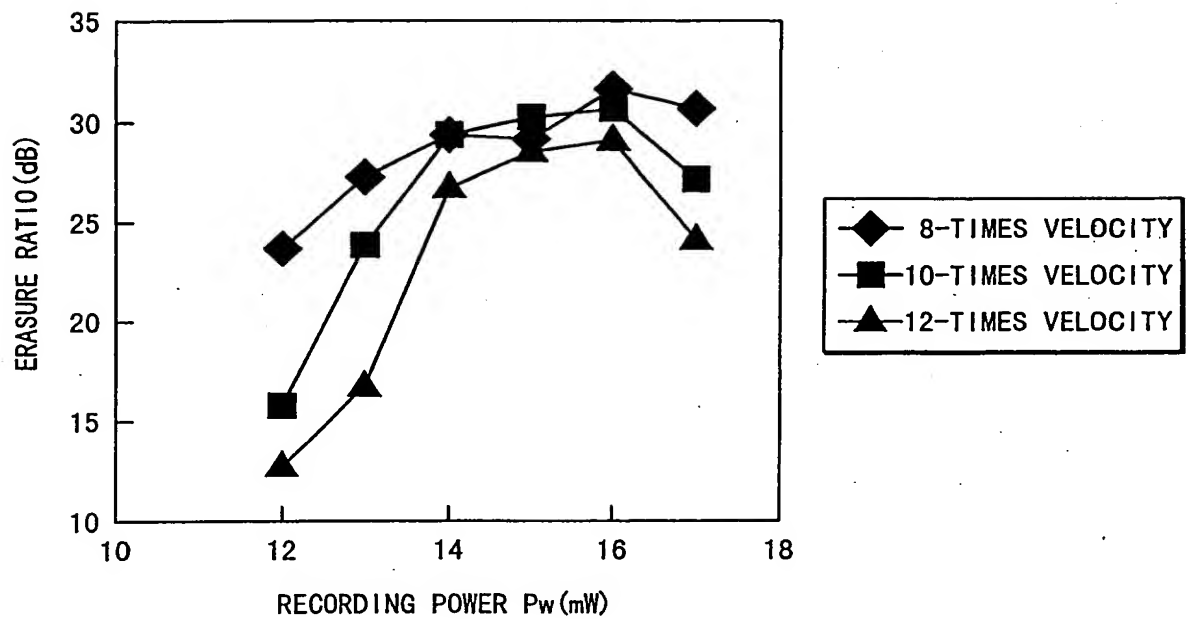


FIG.21(a)

4-TIMES VELOCITY

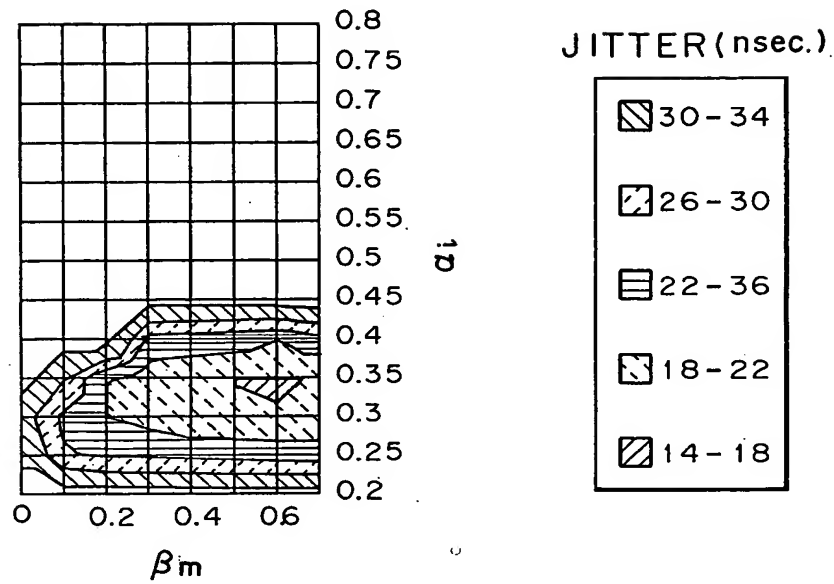


FIG.21(b)

10-TIMES VELOCITY

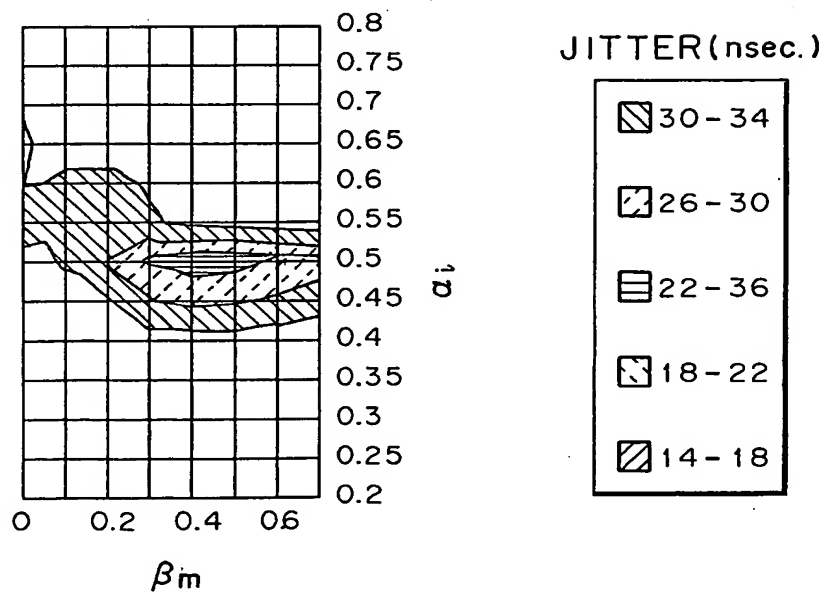


FIG.22(a)

4-TIMES VELOCITY

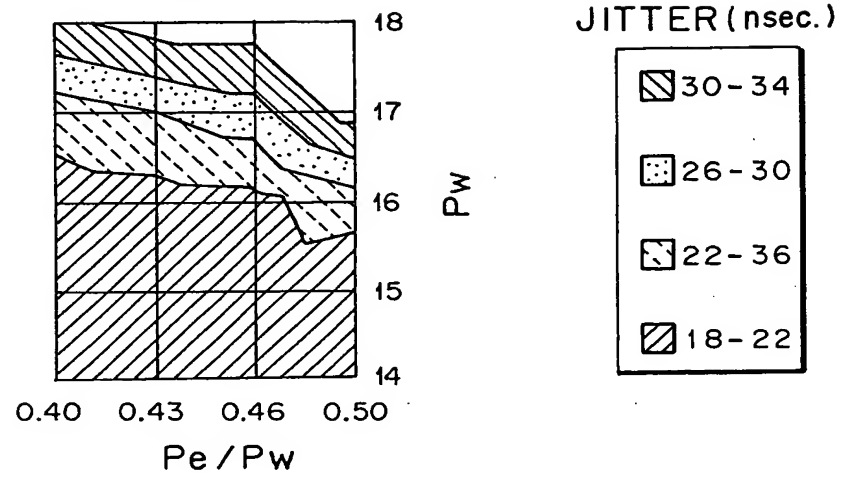


FIG.22(b)

10-TIMES VELOCITY

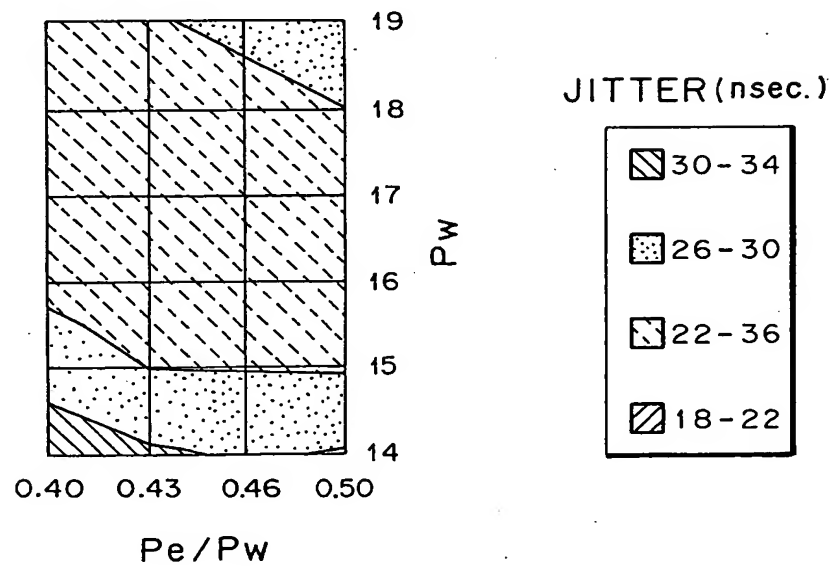


FIG.23(a)

4-TIMES VELOCITY

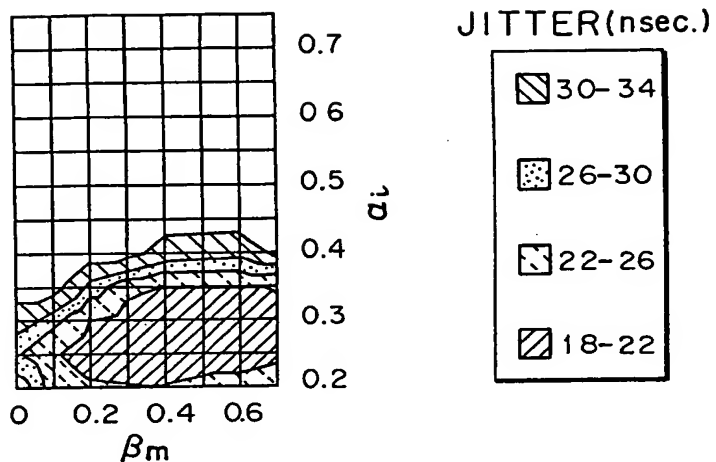


FIG.23(b)

8-TIMES VELOCITY

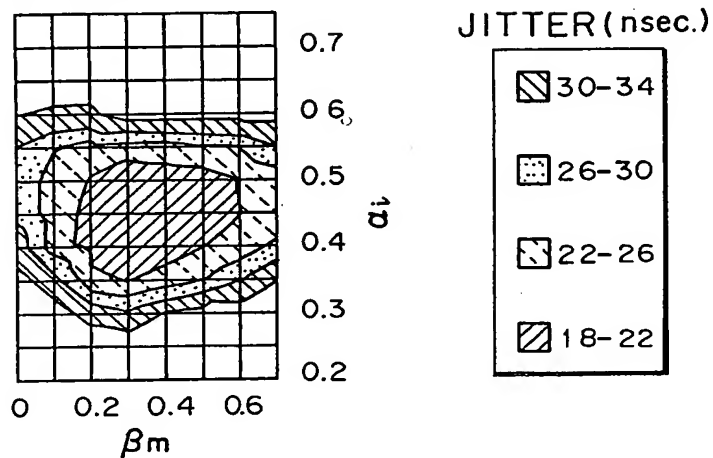


FIG.23(c)

10-TIMES VELOCITY

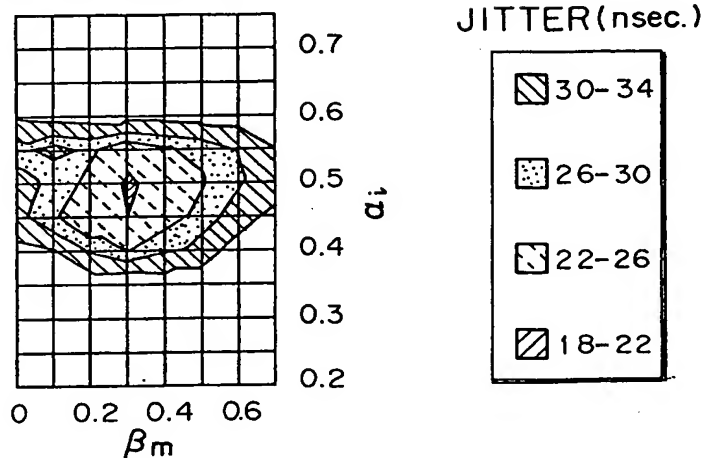
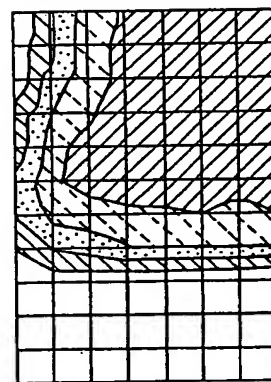


FIG.24(a)

4-TIMES VELOCITY



0.28

0.24

0.20

0.16

0.12

0.08

0 0.2 0.4 0.6

β_m

JITTER(nsec.)

30-34

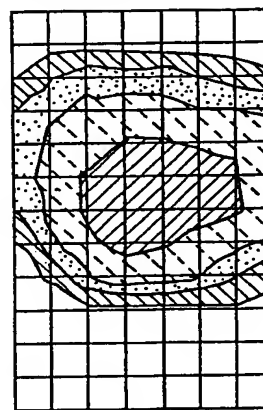
26-30

22-26

18-22

FIG.24(b)

8-TIMES VELOCITY



0.64

0.56

0.48

0.40

0.32

0.24

0.16

0 0.2 0.4 0.6

β_m

JITTER(nsec.)

30-34

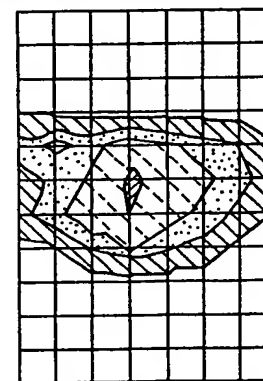
26-30

22-26

18-22

FIG.24(c)

10-TIMES VELOCITY



0.7

0.6

0.5

0.4

0.3

0.2

0 0.2 0.4 0.6

β_m

JITTER(nsec.)

30-34

26-30

22-26

18-22

FIG. 25

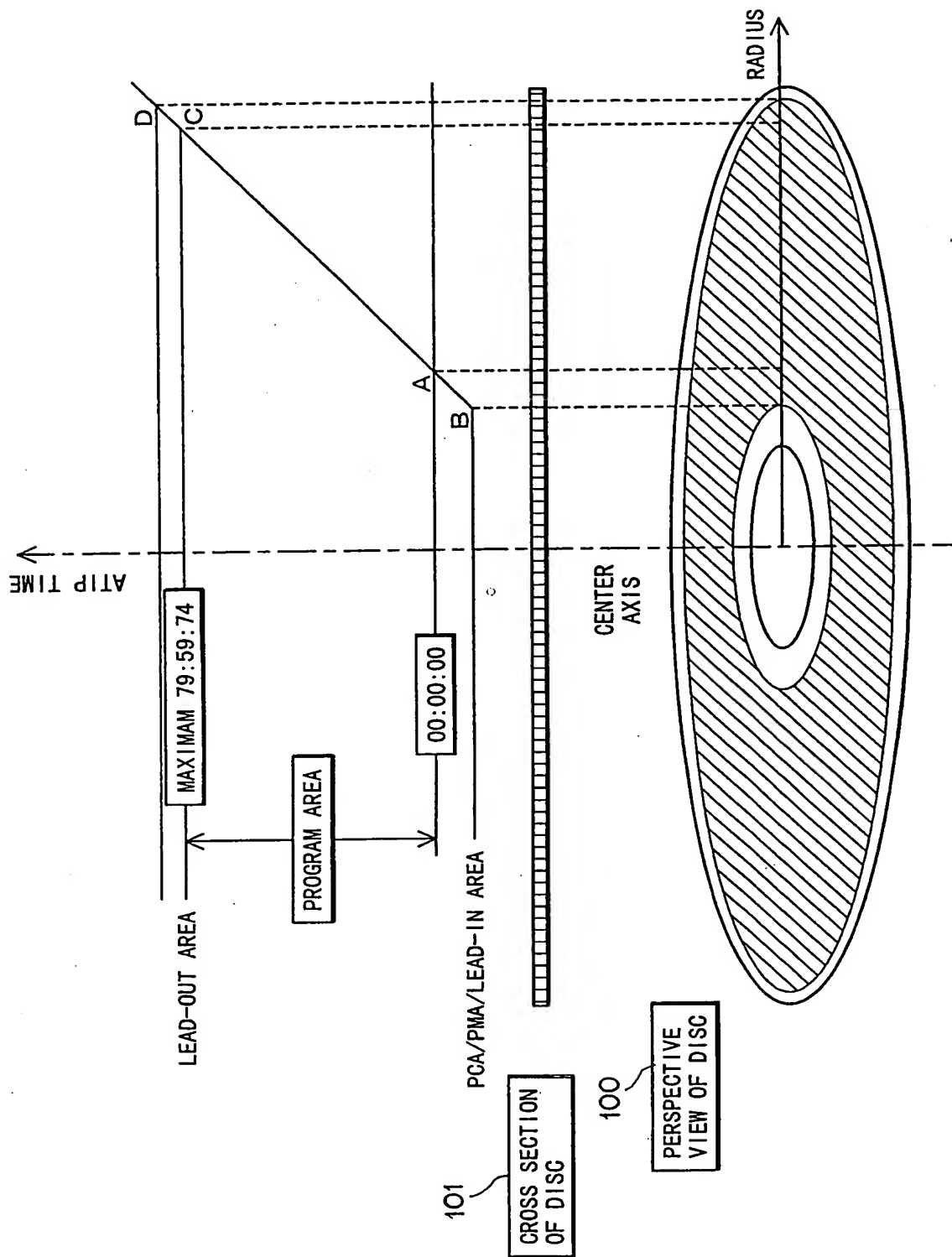


FIG. 26(a)

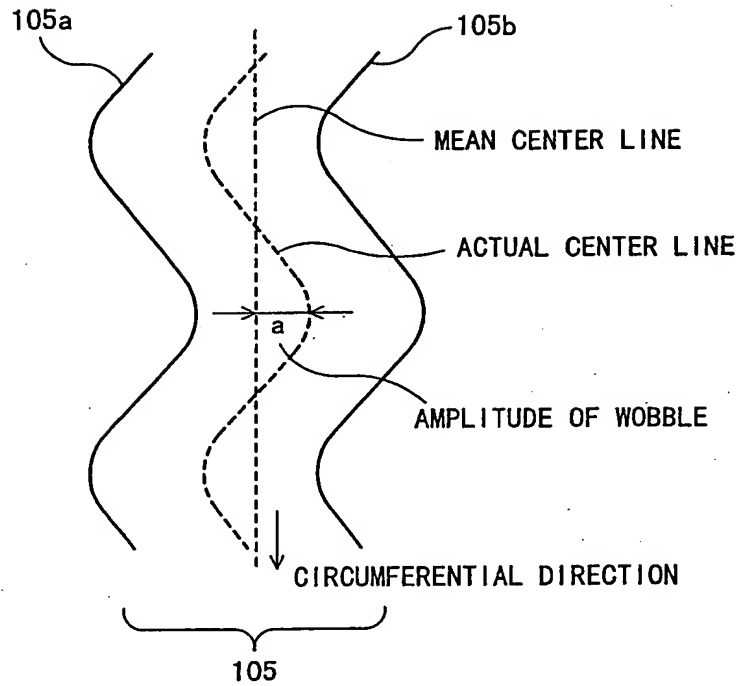


FIG. 26(b)

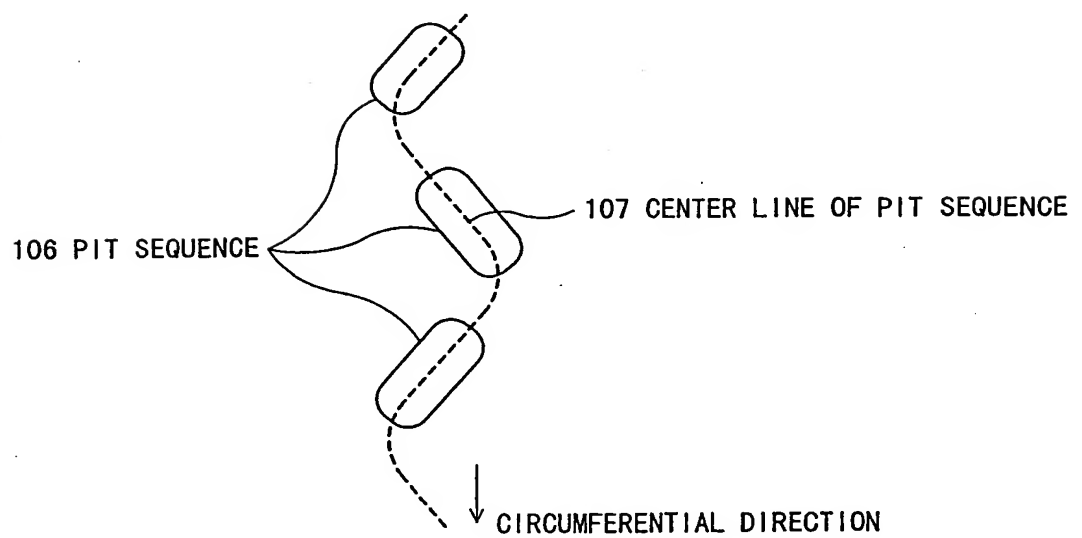


FIG. 27

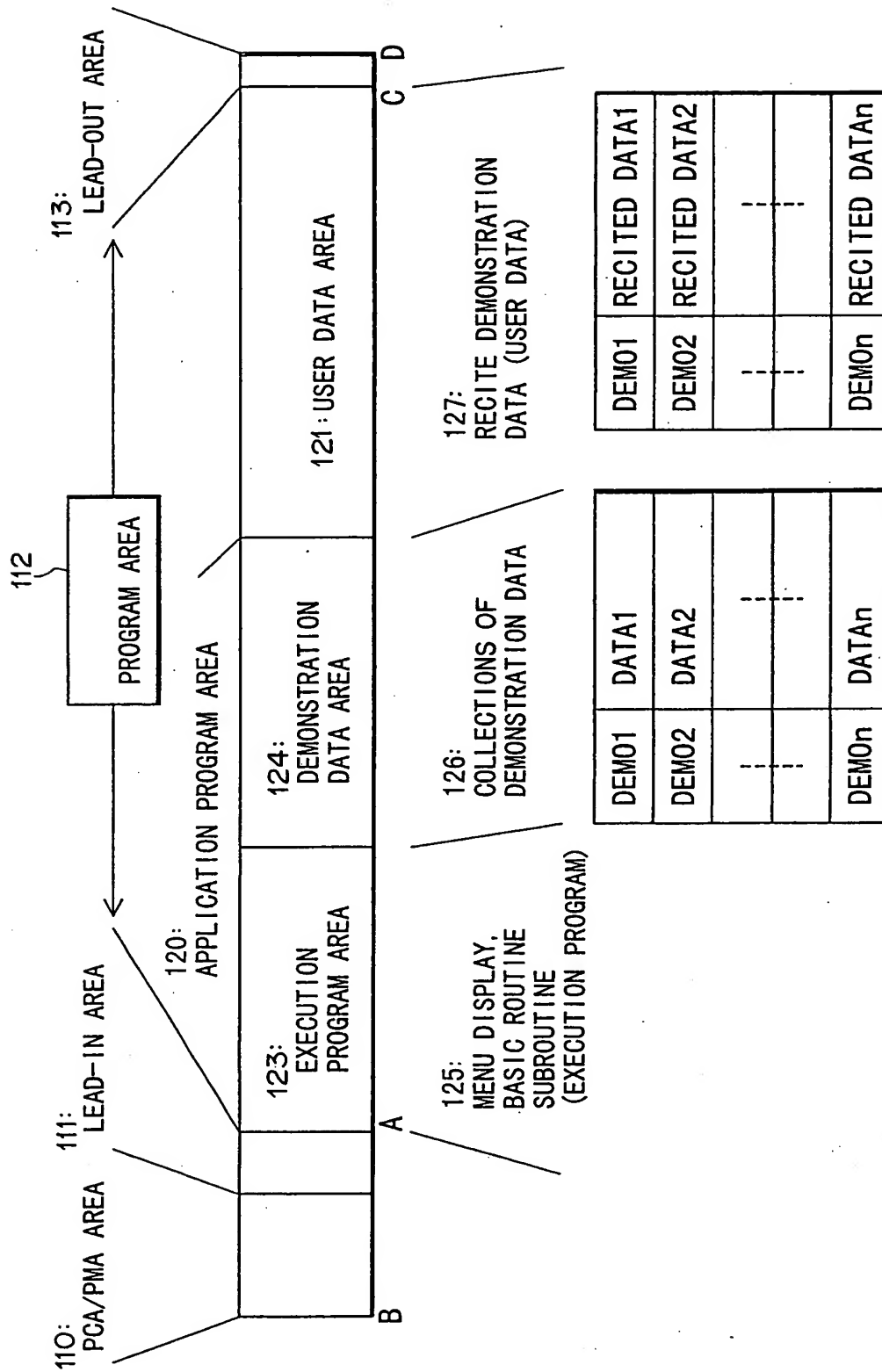


FIG. 28

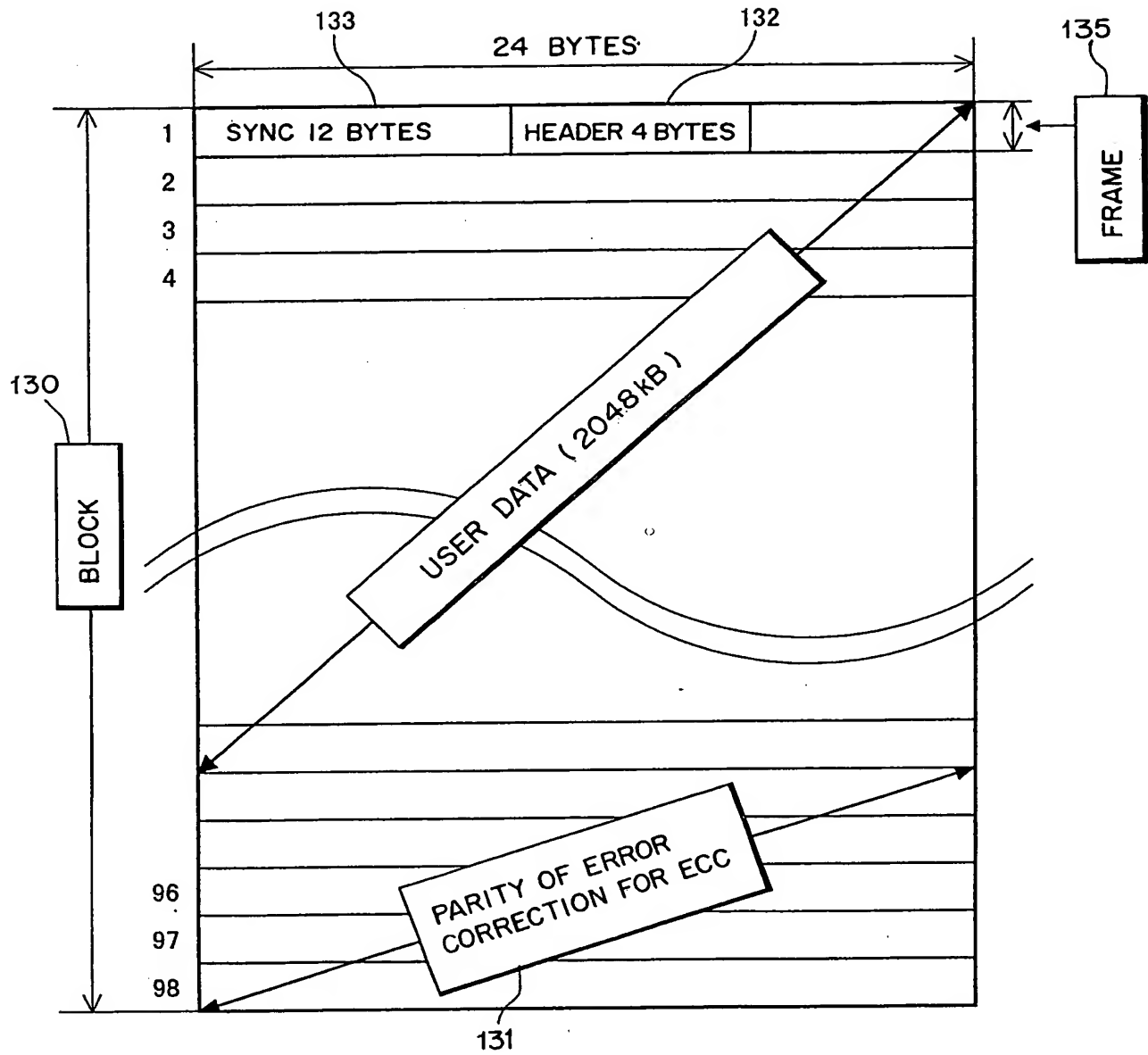


FIG. 29

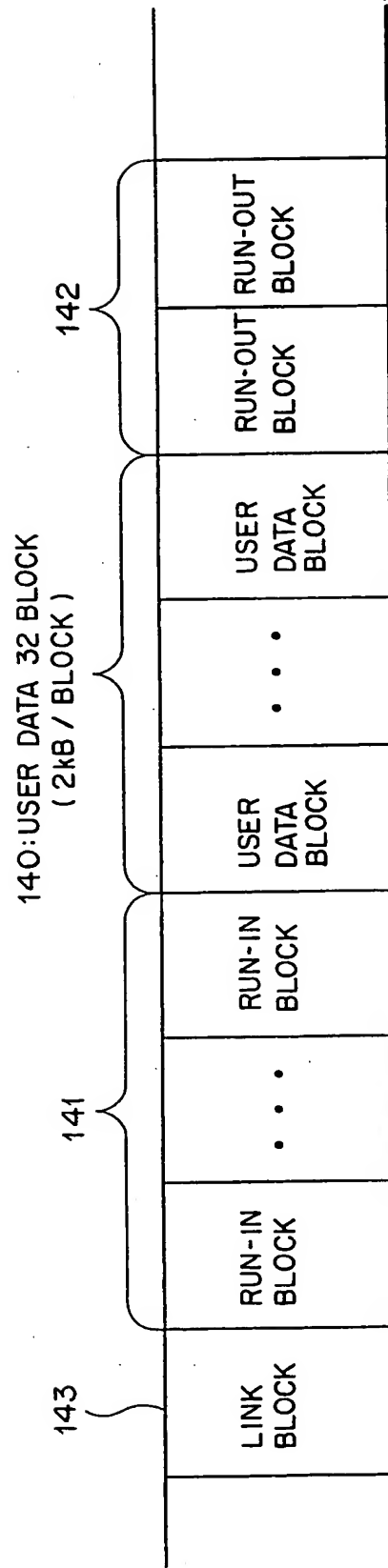


FIG. 30

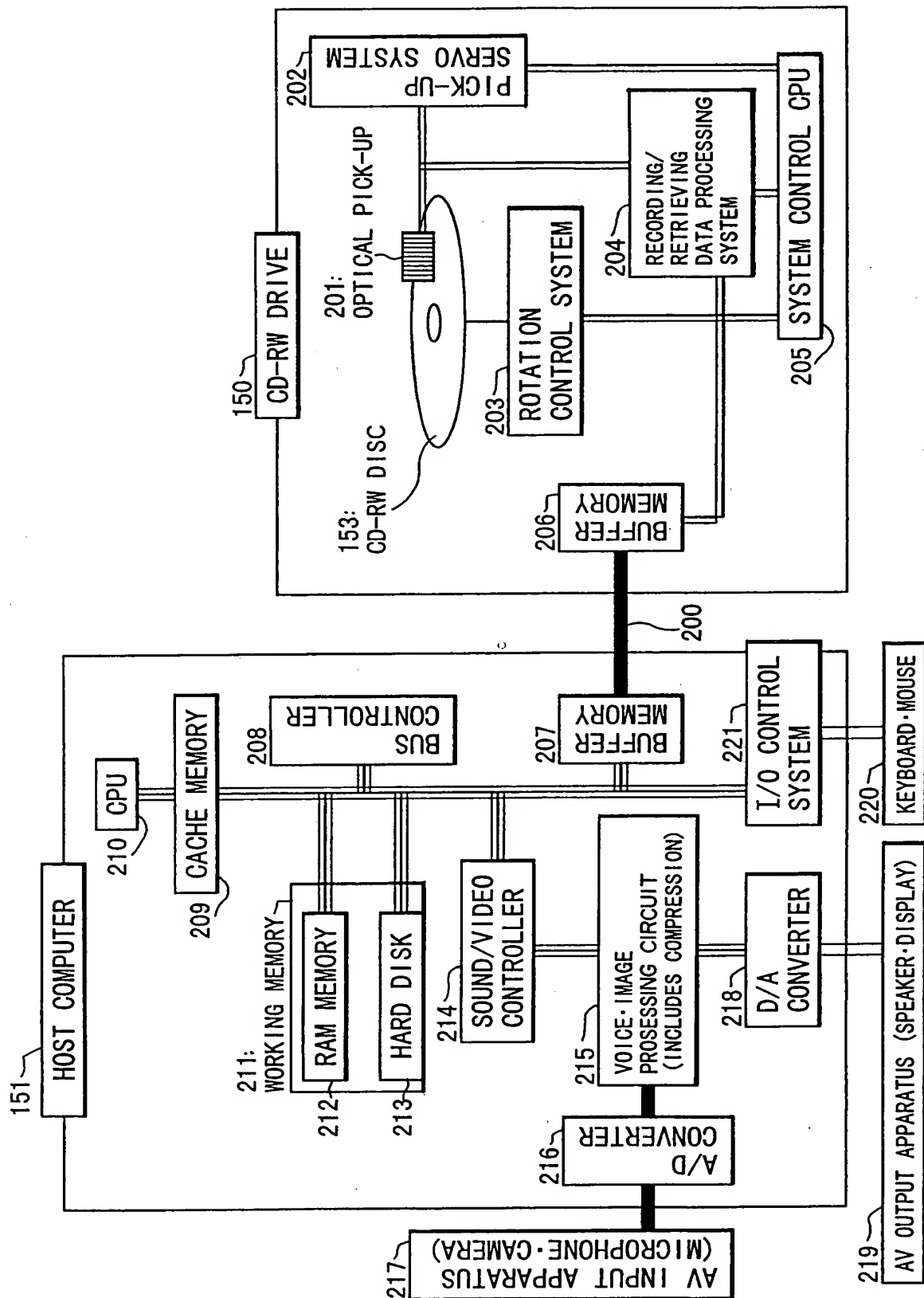


FIG. 31

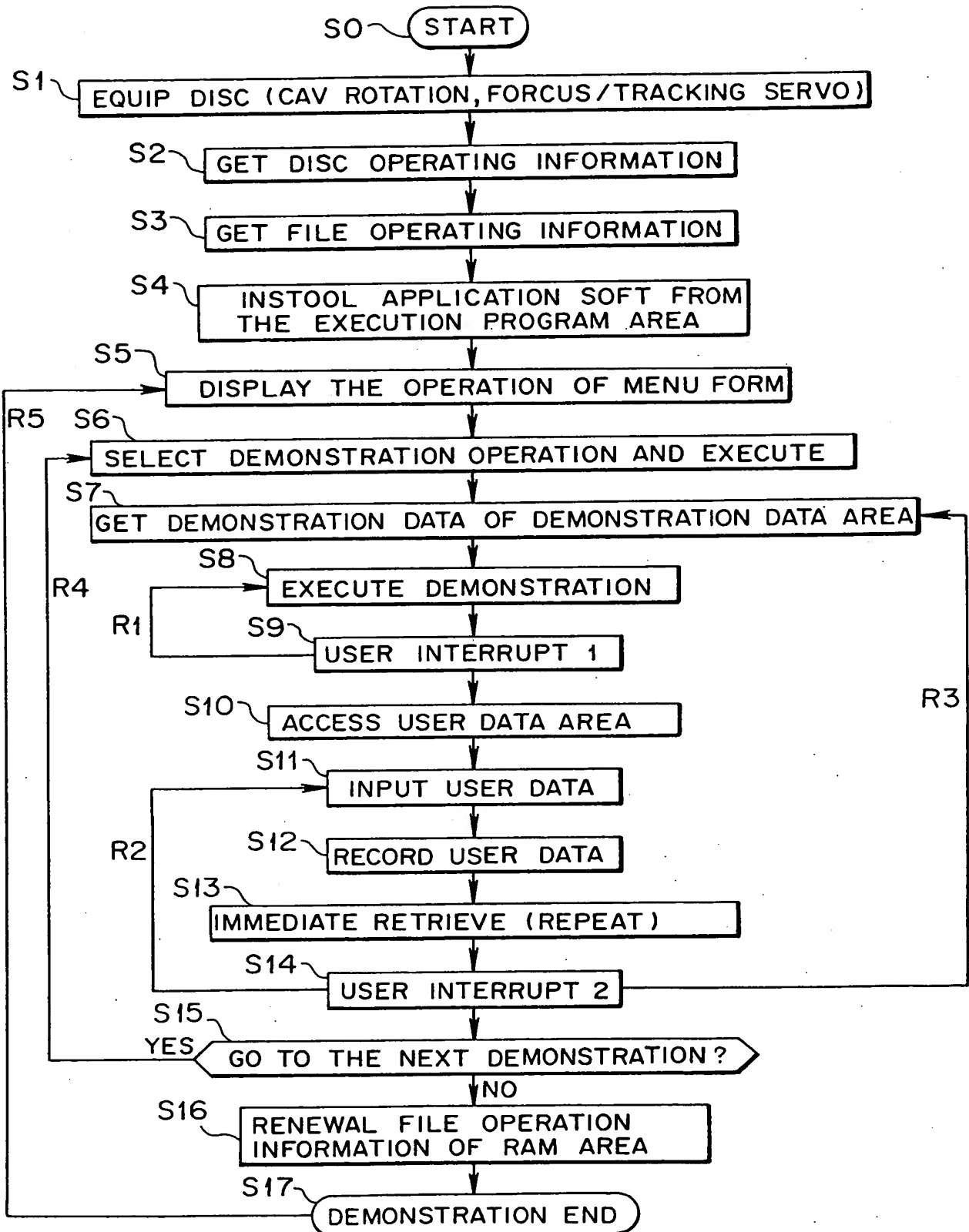


FIG. 32

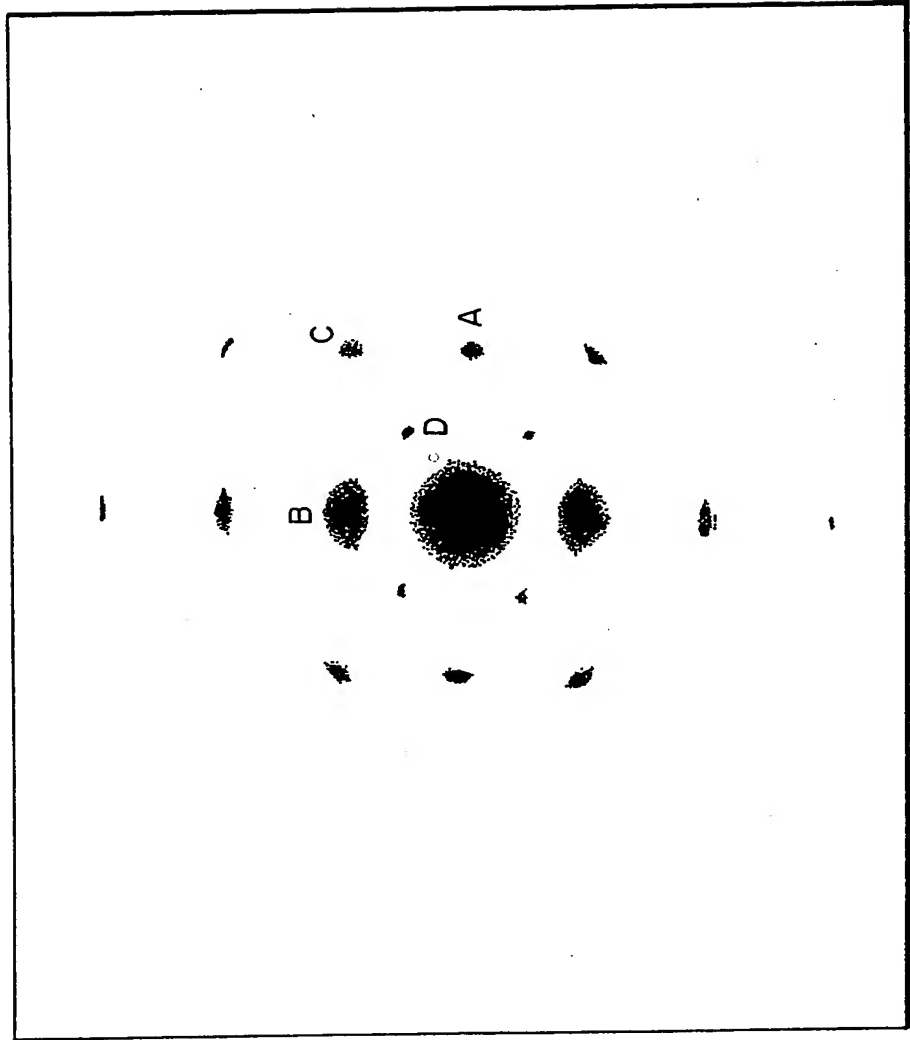


FIG. 33

